

# Austin Due

---

Email: austinjdue@gmail.com  
Phone: 1-209-479-0266

Website: austindue.org  
Mailing: PO Box 116,  
Ripon CA, 95366

## Employment

- Spring 2024: Adjunct Lecturer, Dept. of Humanities & Philosophy, Diablo Valley College.
- 2022 – 2023: Visiting Lecturer, Dept. of History and Philosophy of Science, Univ. of Pittsburgh.
- Spring 2021: Adjunct Lecturer, Dept. of Philosophy, San Francisco State University.

## Areas of Specialization

Philosophy of Medicine, Philosophy of Science, Biomedical Ethics.

## Areas of Competence

Philosophy of Psychiatry, Social Epistemology, Philosophy of Technology, Applied Ethics.

## Education

- 2022      Ph.D., History & Philosophy of Science & Technology, University of Toronto.
- 2017      M.A., Philosophy, San Francisco State University.
- 2015      B.A., History & Philosophy, California Polytechnic State Univ., San Luis Obispo.

## Peer-Reviewed Publications

- [4] Due, A. Sins & Risks in Underreporting Suspected Adverse Drug Reactions. Forthcoming. *Philosophy of Medicine*.
- [3] Due, A. Is There a ‘Best’ Way for the Public to Participate in Pharmacovigilance? Forthcoming. *Journal of Medicine & Philosophy*.
- [2] Due, A. What are Side Effects? (2023) *European Journal for Philosophy of Science* DOI: 10.1007/s13194-023-00519-8.
- [1] Due, A. Are ‘Phase IV’ Trials Exploratory or Confirmatory Experiments? (2022) *Studies in History & Philosophy of Science* DOI: 10.1016/j.shpsa.2022.07.006.

## Manuscripts Under Review

- Patient Participation and Empowerment in Precision Medicine.
- Noisy Nocebo Harms in Pharmacovigilance Data.

## Manuscripts In Progress

- Talk Therapy’s Adverse Events: Side Effects, Symptoms, or Nocebo Effects?
- Regulating Novel Technologies in Precision Agriculture: Lessons from Medicine.

## Talks (\* = peer reviewed)

- Patient Participation in Precision Medicine.
  - IHPSSB 2023 Meeting.\*
- Adverse Events & Therapy: Side Effects or Symptoms?
  - Institute for the History & Philosophy of Sci. & Tech. Grad. Conf., 2022.\*

- What are Side Effects?
  - USC/UCLA Philosophy Graduate Conference, 2021.\*
  - American Philosophical Association Pacific Division Meeting, 2021.\*
- Is There a ‘Best’ Way for the Public to Participate in Pharmacovigilance?
  - IHPST Workshop, 2021.
- Risks, Values, & Spontaneous Reporting in Pharmacovigilance.
  - IHPST Graduate Conference, 2021.\*
- Are ‘Phase IV’ Trials Exploratory or Confirmatory Experiments?
  - Canadian Society for History & Philosophy of Science Conference, 2021.\*
  - International Philosophy of Medicine Roundtable Meeting, 2021.\*
- The Reproducibility of Biomedical Research & COVID-19.
  - The University Club of Toronto Invited Speaker Series, 2020.
- Concordance as a Cognitive Value in Multiple-Model Scientific Practices.
  - American Philosophical Association Pacific Division Meeting, 2018.\*
  - 69<sup>th</sup> Annual Northwest Philosophy Conference, 2017.\*
- Epistemic Iteration & Three Problems of Scientific Practice.
  - Arizona State University Philosophy Graduate Conference, 2017.\*
- Chemical Kinds
  - ‘Unnatural Kinds’ Workshop, San Francisco State University, 2016.
- Functional Efficacy & Extended Cognition Theories.
  - Long Island Philosophical Society, 2016.\*

### **Courses Taught** (\* = online)

#### *Diablo Valley College*

- Introduction to Philosophy, 2024.

#### *University of Pittsburgh*

- Mind & Medicine, 2023.
- Morality & Medicine, 2022.

#### *University of Toronto*

- Philosophy of Therapeutic Drugs, 2021.\*

#### *San Francisco State University*

- Philosophy of Science, 2021.\*
- Contemporary Moral & Political Issues, 2017.
- Critical Thinking, 2016, 2017.

### **Awards**

- University of Toronto Faculty of Arts & Science Fellowship, 2018–2022.
- Connaught International Scholarship for Doctoral Students, 2018–2022.
- J. Irving Snetsinger Award for Writing Excellence, Cal Poly SLO, 2015.

### **Service**

- Referee: European Journal for Philosophy of Science.
- Co-Chair: Philosophy of Medicine Group at University of Toronto, 2021–2023.
- Co-President: History & Philosophy of Sci. & Tech. Society, University of Toronto, 2021–2022.
- Graduate Representative: University of Toronto Graduate Union, 2018–2020.
- Lead Graduate Teaching Associate, San Francisco State University, 2017.

## Affiliations

American Philosophical Association, Society for Philosophy of Science in Practice, Philosophy of Science Association, Canadian Society for the History & Philosophy of Science, International Philosophy of Medicine Roundtable, California Polytechnic State University San Luis Obispo Philosophy Department Alumni Advisory Board.

## Dissertation Abstract

### *Side Effects in Medicine: Definitions & Discovery*

Side effects are ubiquitous in medicine but are underexplored in theoretical examinations of science and medicine. This is striking since researchers often appeal to side effects to critique many aspects of modern medicine from the technological to the epistemological to the social and ethical. Moreover, definitions of ‘side effect’ given by health authorities like the CDC, FDA, and WHO differ. Considering this, I argue for a novel account of medical side effects that fulfils our commonplace intuitions in everyday practice while avoiding counterexamples that befall existing accounts. I argue that side effects are a specific species of treatment outcomes that are related but distinct from adverse events, adverse reactions, and placebo effects insofar as they differ intentionally and causally.

After discussing what side effects are and how they differ from other treatment outcomes, I turn to the social and ethical issues with the discovery process. Many side effects are not discovered until after market access or in the clinic. Post-market drug surveillance or ‘pharmacovigilance’ techniques like ‘phase 4’ trials blur the line between exploration and confirmation in science, or so I argue. I also show how other pharmacovigilance methods like reporting to regulatory bodies are constrained by normative judgments about evidence quality that are rooted in medical education and medical institutions. Finally, I offer a pragmatic, bioethical, and social-epistemic framework to evaluate proposals for patients to be more engaged in the side effect discovery process or medical ‘citizen science.’ My research engages with scholars based in theory and practicing clinicians alike and shows how side effects offer a vantage point into the linked issues of risk, values, medical education, and patient engagement in contemporary medical science.

## Graduate Seminars (\* = audit)

### *San Francisco State University*

Department of Philosophy

- Embodied Cognition, Isabelle Peschard.
- Philosophy of Language, Ásta.
- Culture, Language, and Society, Ásta.
- Natural Kinds, Julia R.S. Bursten.
- Philosophy of Science, Vadim Keyser.
- Philosophy of Experimentation, Vadim Keyser.
- Normative Ethics, Stephan Nayak-Young.
- Kant & Sellars, David Landy.
- Hegel, David Landy.\*

### *University of Toronto*

Institute for the History & Philosophy of Science & Technology (IHPST)

- Philosophy of Medicine, Jonathan Fuller.
- Social Epistemology, Joseph Berkovitz.
- History of Physics, Chen-Pang Yeang.
- History of Technology, Rebecca Woods.\*

Institute for Health Policy Management & Evaluation

- Philosophical Perspectives in Epidemiology, Brian Feldman, Brian Baigrie, Mathew Mercuri.
- Politics, Policy, Public Health & Health Technology, Fiona Miller & Joel Lexchin.
- Performance Measurement in Health Care, Imtiaz Daniel.

Dalla Lana School of Public Health

- Ethics & AI for Health, Jay Shaw & Ross Upshur.\*
- Historical, Ethical, & Philosophical Foundations of Public Health, Ross Upshur.\*

Department of Philosophy

- Laws of Nature, Michael Miller & Jessica Wilson.\*
- Fundamentality & Dependence, Jessica Wilson.\*
- Trends in Formal Ontology, Rasmus Larsen.\*
- Bioethics, James Anderson & Jessica Bell.\*

References, teaching evaluations, and syllabi available upon request.

CV Updated: April 2024.

